

ABSTRACT

A wireless communication network that forms an ad-hoc network without the arrangement of a controlling station  
5 sets a period that the self can utilize with priority and performs isochronous communication in the period as required. When isochronous communication has not been performed or after isochronous communication has been finished in the priority utilization period, other communication apparatuses  
10 perform arbitrary communication. When another communication is performed in own priority utilization period, the start of isochronous communication is temporarily delayed. In an ad-hoc communication environment, data having a real-time characteristic, such as AV content, can be efficiently  
15 transmitted through the isochronous communication.